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叉麻蝇属一新种记述*

（双翅目：麻绳科）

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本文记述麻蝇科叉麻蝇属（*Robineauella* Enderlein, 1928）一个新种，模式标本存军事医学科学院标本室。

暗鳞叉麻蝇*Robineauella nigribasicosta*，新种（图1—4）

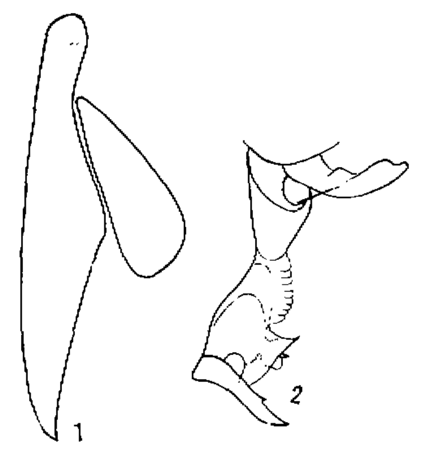


图1　暗鳞叉麻蝇*Robineauella nigribasicosta* sp. nov. ♂肛尾叶和侧尾叶侧面观

图2　暗鳞叉麻蝇*Robineauella nigribasicosta* sp. nov. ♂阳体和阳基侧突侧面观

体长：14—16毫米。

雄：头部：额鬃13—16对；侧颜毛密，上半部有不规则的4—5列，下半部仅1列，最长的毛比侧颜宽度为短；额宽狭于头宽的$^1/_3$，间额约为侧额的4倍宽；触角较短，它的第三节长度为第二节长的2倍，触角芒很长，芒羽状毛不太长，裸端占芒长的$^2/_5$；颊宽，它的高度约为复眼高的$^1/_3$强；颊毛全黑，颊后头沟后方的毛也几乎全为黑色，侧后头区毛大部为淡色；眼后鬃3行，均完整。间额黑色，侧颜和侧额下半部有银白色粉被；颜、触角第三节有银白色薄粉被；颊和触须黑色。

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* 新种标本采集者有宋锦章、倪涛、李忠诚诸同志，谨致谢忱。

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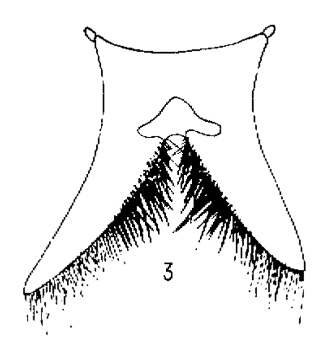


图 3 暗鲜叉麻蝇*Robineauella nigribasicosta* sp. nov.♂第五腹板，腹面观

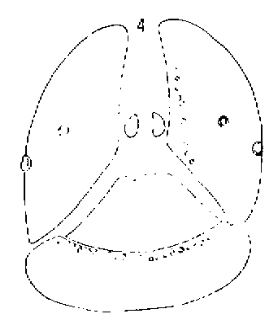


图 4 暗鲜叉麻蝇*Rebineauella nigribasicosta* sp. nov. ♀后腹部，后面观

胸部：前胸腹板长狄，后半部有缘毛；前胸侧板中央凹陷处裸；前气门暗色。中鬃0＋1；背中鬃（6－7）＋（5－6），最后两根后背中鬃粗壮；肩鬃3；肩后鬃2；沟前鬃1；翅内鬃1＋2，沟前的一根很纤细；翅上鬃3，翅后鬃2，均粗壮。翅：前缘基鳞棕色、暗色乃至黑色；前缘刺不发达，前缘脉第三段长于第五段，长度比为5.5:3.5；R_1脉裸；R_{4+5}脉上、下面均有小毛列；腋瓣白色，上、下腋瓣接合处的缘缨毛深棕色乃至黑色，深色缨毛延伸达下腋瓣外缘约1/2处，上腋瓣缘缨毛在有的个体也较暗；平衡棒深棕色。足：前足股节后腹面有稍长的缨毛，胫节无缨毛；中足股节前、后腹面有长缨毛，以后腹面的缨毛长而密，中足胫节前、后腹面均有长缨毛；后足股节前、后腹面有长缨毛，以后腹面的缨毛长而密，后足胫节前、后腹面均有长缨毛。

腹部：第三背板无缘鬃；第二至第四腹板密布细毛长，其中大部份长毛呈缨毛状，末端卷曲；第五腹板短而宽，侧叶内缘密具鬃毛，前1/2长度内鬃毛粗壮，后1/2长度内鬃毛细长，有些末端卷曲；第七、八合腹节黑色，粉被极薄，后缘有1列较弱的缘鬃；第九腹节亮黑色，高大于长。

雄性毛器：肛尾叶侧面观基部粗壮，向下逐渐变细，末端略圆而明显向前钩曲。前阳基侧突末端钝圆，后缘骨质强，前缘在亚端部和亚基部各呈薄片状突起，两片突起不在同一纵轴上，以亚端部者为大；后阳基侧突末端尖，向上钩曲。阳体膜状突为1对形状不规则的突出物；侧阳体基部腹突很发达，侧面观如斧形，游离缘不整齐，有一骨化较强朝上的尖端；侧阳体端部无中央突，侧突1对，异常发达，腹面观合抱呈环状，侧突上部的小分枝非常细小，至多占主枝长的 $^1/_8$，甚至呈小棘状；侧阳体基部后缘中央无粒状突起。

雌：额鬃11—12对，侧额鬃3对；额宽略大于头宽的 $^1/_3$，间额宽为侧额宽的2倍强；各足股节和胫节均无长缨毛；其它一般特征同雄性。雌性尾器：第六背板分离型，左、右两片很宽地离开，侧面观后缘呈圆弧形，显著突出在第五背板后方；第六腹板很宽，后缘鬃极密，约20根左右；第十腹板呈倒梯形，前缘的长度约为后缘长度的3.5—4倍，后缘鬃较弱，约6根；第八、第九腹板（肛下板）骨化都比较弱，轮廓不十分清

楚；肛尾叶1对，肾形，边缘清楚，被密毛。

产地：四川、马尔康（正模：♂，1978. Ⅶ. 23；配模：♀，1978. Ⅶ. 23；副模 9♂♂，1♀1978. Ⅶ. 23）.

新种属巨叉麻蝇组（*scoparia*-group），与巨叉麻蝇*R. scoparia* (Pandelle) 和达乌利叉麻蝇*R. daurica* Grunin极近缘，其区别如下：

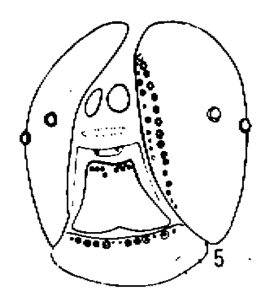


图5　巨叉麻*Robineauella scoparia* (Dandelle, 1896)，♀蝇后腹部，后面观

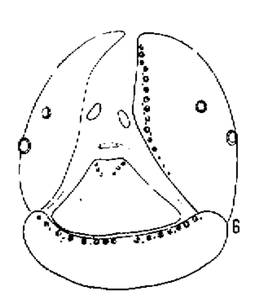


图6　达乌利叉麻蝇*Robineauella daurica* Grunin, 1964，♀后腹部，后面观

	巨叉麻蝇 *R. scoparia* (*Pandelle*, 1896)	达乌利麻蝇 *R. daurica* Grunin, 1964	暗鳞叉麻蝇 *R. nigribasicosta* sp. nov
额鬃对数			
雄：	11—13	11—13	13—16
雌：	10—11	9—10	11—12
侧额宽/间额宽			
雄：	1.0:2.0—2.5	1.0:1.8—2.0	1.0:3.5—4.0
雌：	1.0:1.5—1.8	1.0:1.2—1.5	1.0:2.0—2.5
前缘基鳞	黄白色	黄白色	深棕色、暗色乃至黑色
上、下腋瓣联接处缘缨	黄色乃至棕色，棕色毛分布达不到下腋瓣外缘的1/2处	黄白色乃至棕色	深棕乃至黑色分布达到下腋瓣外缘的1/2处
雄性尾器：			
侧面观肛尾叶末端形状	尖而不锐	略圆，稍向前钩曲	略圆，明显向前钩曲
侧阳体基部后缘中央粒状突起	无	有	无
侧阳体端部侧突	上方小分枝大，其长度至少达主枝长的1/4	上方小分枝大，其长度至少达主枝长的1/4	上方小分枝很小，至多占主枝长的1/8，甚至呈小棘状
雌性尾器：			
第六背板后缘鬃	复行	单行	单行
第六腹板后缘鬃	10根	12—14根	20根
第七腹板前后缘长度比	2:1	(3.5—4):1	(3.5—4):1

新种前缘基鳞暗色，这在叉麻蝇属中是颇为特殊的，故以此命名。

DESCRIPTION OF A NEW SPECIES OF GENUS *ROBINEAUELLA* (DIPTERA: SARCOPHAGIDAE)

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Present paper deals vith a new species of genus *Robineauella* Enderlein 1928, the types are deposited in the Institute of Microbiology and Epidemiology.

Robineauella nigribasicosta sp. nov. (figs. 1—4.)

Body lenght 14.0—16.0mm.

Male, Frontal bristles 13—16; frons slightly less than 1/3 width of head, interfrontalia about four times as wide as a parafrontalia, length of 3rd antennae segment about two times that of the 2nd, arista very long; bucca with black hairs, pilosity of metacephalon nearly wholly black, but that of paracephalon grayish white; postocular bristles in three rows; interfrontalia black; face, parafacialia and mediane covered with silvery white pollen. Depression of propleura bare; *ac* only one pair of prescutellar; *dc* (6 + 7) - (5 + 6), only last two of which strong. Basicosta brown to black; squama white, fringe occurring on joint of upper and lower squama brown and black, halter brown. Front femur fringed on posteroventral surface, front tibia without fringe; mid femur and tibia with long fringes on anteroventral and posteroventral surfaces; hind femur and tibia with long frings on anteroventral and posteroventral surfaces. 3rd tergite without median marginals; 2nd to 4th sternites densely covered with long hairs; inner margin of lateral lobe of 5th sternite densely covered with strong bristeles (fig. 3). Male terminalia as shown in figs. 1, 2.

Female, Frontal bristles 11—12, parafrontal bristles 3; frons slightly more than 1/3 width of head, interfrontalia about twice as wide as a parafrontalia; all femora and tibiae without fringes; otherwise general characters similar to those of the male. Female terminalia as shown in fig. 4.

This new species belongs to the *scoparia*-group and closely related to *R. scoparia* (Pandelle) and *R. daurica* Grunin, but differs from them in the following characteristics,

Characters	*R. scoparia* (Pandelle)	*R. daurica* Grunin	*R. nigribasicosta* sp. nou
Frontal bristles, male female	 11—13 10—11	 11—13 9—10	 13—16 11—12
Proportion of the width of parafrontalia and interfrontalia, male female	 1.0:2.0—2.5 1.0:1.5—1.8	 1.0:1.8—2.0 1.0:1.2—1.5	 1.0:3.5—4.0 1.0:2.0—2.5
Basicosta	yellowish white	yellowish white	brown to black
Fringe on joint of upper and lower squama	yellow and brown	yellow and brown	brown and black
Male terminalia, Anal cercus in lateral view Median processes of posterior marginal of basal part of paraphallus	with a pointed tip, although not so sharp absent	with a somewhaat round tip, slightly bent forward present	with a somewha at rount tip, rather distinctly forward absent
Lateral processes of apical part of paraphallus	upper branches large, more than $^1/_4$ length of main branches	upper branches large, more than $^1/_4$ length of main branches	upper branches small, less than $^1/_2$ length of main branches
Female terminalia, Posterior marginal bristles of 6th tergite Posterior marginal bristles of 6th sternite Proportion of length of anterior and posterior margins of 7th sternite	 2 rows 10 2:1	 1 row 12—14 (3.5—4):1	 1 row 20 (3.5—4):1

Type locality, Markang (holotype ♂, 23. Ⅶ. 1978; allotype♀, 23. Ⅶ. 1978; paratypes 9 ♂♂, 1 ♀, 23. Ⅶ. 1678), Sichuan, China.